

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims:

1. (Currently Amended) A data reception apparatus comprising:

picture processing means for doing pre-set picture processing using picture data from a data source side;

input/output means for being fed from said data source side with picture data comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard and for outputting a response packet responsive to a command packet conforming to the IEEE 1394 standard from the data source side; and

control means for controlling said input/output means to transmit to said data source side the profile information indicating a profile coped with by said picture processing means, as search results, responsive to the inputting of a command for searching a profile to said input/output means,

wherein the control means determines whether to modify the type of picture data from the data source side to the input/output means based on whether the input/output means can accommodate the picture data,

wherein the control means transmits the picture data from the picture processing means only when the profile as a premise for transmitting the picture data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.

2. (Currently Amended) A data processing method in doing pre-set picture processing using picture data from a data source side, comprising:

 a step of being fed from said data source side with picture data comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard;

 a step of outputting a response packet responsive to a command packet conforming to the IEEE 1394 standard from the data source side;

 a step of transmitting to said data source side the profile information indicating a profile coped with, as search results, responsive to the inputting of a command packet for searching the profile of processable picture data; and

 a step of determining whether to transmit the picture data from the data source side based on the profile information,

 wherein the picture data from the data source side is transmitted only when the profile as a premise for transmitting the picture data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.

3. (Currently Amended)

A data transmission device comprising:

picture processing means for processing picture data input from outside to generate picture data;

input/output means for outputting the picture data generated by said picture processing means as the picture data is comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard; and

control means for managing control for generating a command packet for searching a profile coped with by picture data outputting destination to output the generated command packet from said input/output means to a data reception side, said control means also managing control for changing the type of the picture data output by said input/output means based on the profile information specifying the search results from said data reception side,

wherein the control means determines whether to modify the type of picture data from said outside to the input/output means based on whether the input/output means can accommodate the picture data,

wherein the control means transmits the picture data from the picture processing means only when the profile as a premise for transmitting the picture data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.

4. (Currently Amended)

A data processing method comprising:

a step of processing picture signals input from outside to generate picture data;

a step of outputting the picture data generated as the picture data is comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard;

a step of generating a command packet for searching a profile coped with by picture data outputting destination to output the generated command packet to a data reception side;

a step of managing control for changing the type of the picture data output based on the profile information specifying the search results transmitted from said data reception side; and

a step of determining whether to transmit the picture data from said outside based on the profile information,

wherein the picture data from the data source side is transmitted only when the profile as a premise for transmitting the picture data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.

5. (Currently Amended) A data transmission/reception system having a data transmission device and a data reception device; said data transmission device comprising:

first picture processing means for processing picture signals input from outside to generate picture data;

first input/output means for outputting the picture data generated by said first picture processing means to a picture reception device as the picture data generated is comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard; and

first control means for managing control for generating a command packet for searching a profile coped with by picture data reception device to output the generated command packet from said input/output means to said data reception device, said control means also managing control for changing the type of the picture data output by said first input/output means based on the profile information specifying the search results from a data reception side;

said data reception device including second input/output means for receiving picture data from said first input/output means as the picture data is comprehended in a packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard, and for outputting a response packet responsive to the command packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard from said first input/output means;

second picture processing means for performing pre-set picture processing using the picture data input by said first picture processing means; and

second control means for controlling said second input/output means, responsive to inputting to said second input/output means a command for searching a profile from said second input/output means and for outputting the profile information indicating the profile coped with by said second picture processing means, as search results, to said data transmission device,

wherein the first control means transmits the picture data from the picture processing means only when the profile as a premise for transmitting the picture data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.

6. (Currently Amended)

A data reception apparatus comprising:

a picture processing section for doing pre-set picture processing using television picture data from a television signal reception side;

an input/output section fed from said television signal reception side with said television picture data comprehended in an FCP (Function Control Protocol) packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard and for outputting a response packet responsive to a command packet conforming to the IEEE 1394 standard from the television signal reception side; and

a controller for controlling said input/output section to transmit to said television signal reception side profile information indicating a profile coped with by said picture processing section, as search results, responsive to the inputting of a version command packet for searching a profile of printable picture data to said input/output section,

wherein the controller determines whether to modify the type of picture data from the television signal reception side to the input/output section based on whether the input/output section can accommodate the picture data,

wherein the picture data from the television signal reception side is transmitted only when the profile as a premise for transmitting the picture data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.

7. (Currently Amended)

A data transmission device comprising:

a picture processing section for picture-processing television data input from outside to generate picture data;

an input/output section for outputting the picture data generated by said picture processing section as the picture data is comprehended in an FCP (Function Control Protocol) packet conforming to the IEEE (The Institute of Electrical and Electronics Engineers) 1394 standard; and

a controller for managing control for generating a version command packet for searching a profile of printable picture data coped with by a data reception device as picture data outputting destination to output the generated version command packet from said input/output section to the data reception device side, said controller also managing control for changing the type of the picture data output by said input/output section based on profile information specifying the search results from said data reception device side,

wherein the television data from the picture processing section is transmitted only when the profile as a premise for transmitting the television data is met, and

wherein the profile information is divided into the minimum setting information, digital still camera (DSC) setting information, digital television (DTV) setting information, DSC and DTV setting information.